

CLAIMS

1. A mixture comprising a first material selected from the group consisting of a catalyst composition and an adsorption composition and a second material selected from the group consisting of clays and silicone polymers and combinations thereof.

2. The mixture of claim 1 wherein said first material is a catalyst composition.

3. The mixture of claim 2 which has been coated on an atmosphere contacting surface of a metal substrate.

4. The mixture of claim 3 wherein the second material is a clay.

5. The mixture of claim 4 wherein the clay is selected from the group consisting of attapulgite, montmorillonite, bentonite, beidellite, nontronite, hectorite, saponite, kaolinite, talc, micas, and synthetic clays as well as mixtures thereof.

6. The mixture of claim 5 wherein the catalyst composition comprises manganese dioxide.

7. The mixture of claim 6 wherein the clay is attapulgite.

8. The mixture of claim 7 wherein the metal substrate is an aluminum auto radiator.

9. A method for improving the adhesion of a first material selected from the group consisting of a catalyst composition and an adsorption composition to a metal surface which method comprises adding a second material selected from the group consisting of clays, silicone polymers or a combination thereof to said first material prior to coating said first material onto said metal surface to provide a coated metal surface.

10. The method of claim 9 wherein said first material is a catalyst composition.

11. The method of claim 10 wherein the second material is a clay.

12. The method of claim 11 wherein the clay is selected from the group consisting of attapulgite, montmorillonite, bentonite, beidellite, nontronite, hectorite, saponite, kaolinite, talc, micas, and synthetic clays as well as mixtures thereof.

13. The method of claim 12 wherein the catalyst composition comprises manganese dioxide.

14. The method of claim 13 wherein the clay is attapulgite.

5 15. The method of claim 14 wherein said coated metal surface is an atmosphere contacting aluminum auto radiator surface.